

PATENT NUMBER

U.S. UTILITY Patent Application

H O.I.P. ~~AK~~ 18
 SCANNED ~~25~~ Q.A. 18

PATENT DATE

APPLICATION NO. 09/824193	CONT/PRIOR F	CLASS 310	SUBCLASS 315	ART UNIT 2834	EXAMINER Budd
------------------------------	-----------------	--------------	-----------------	------------------	------------------

APPLICANTS

Johannes-Jörg Freyer
Wolfgang 'Steeb' Klein
Bertram Gugg

TITLE

Compensation of lattice expansion is required due to variations in the layer thickness of number of layers in multi-layer piezoelectric elements.

PTO-2040
12/99**ISSUING CLASSIFICATION**[illegible]

<input type="checkbox"/> TERMINAL DISCLAIMER	DRAWINGS		CLAIMS ALLOWED	
	Sheets Drawn	Figs. Drawn	Print Fig.	Total Claims
<input type="checkbox"/> The term of this patent subsequent to _____ (date) has been disclaimed.	_____ (Assistant Examiner) (Date)		NOTICE OF ALLOWANCE MAILED	
	<input type="checkbox"/> The term of this patent shall not extend beyond the expiration date of U.S. Patent No. _____ _____	_____ (Primary Examiner) (Date)		ISSUE FEE
<input type="checkbox"/> The terminal _____ months of this patent have been disclaimed.		_____ (Legal Instrumental Examiner) (Date)		Amount Due
			ISSUE BATCH NUMBER	
WARNING: The information disclosed herein may be restricted. Unauthorized disclosure may be prohibited by the United States Code Title 35, Sections 322, 361 and 369. Possession outside the U.S. Patent & Trademark Office is restricted to authorized employees and contractors only.				

Form PTO-436A
(Rev. 6/99)

FILED WITH: ☐ DISK (GRF) ☐ FICHE ☐ CD-ROM
(Attached in pocket on right inside flap)

(FACE)